

Copper Ore and Nickel Ore Mining: 2002

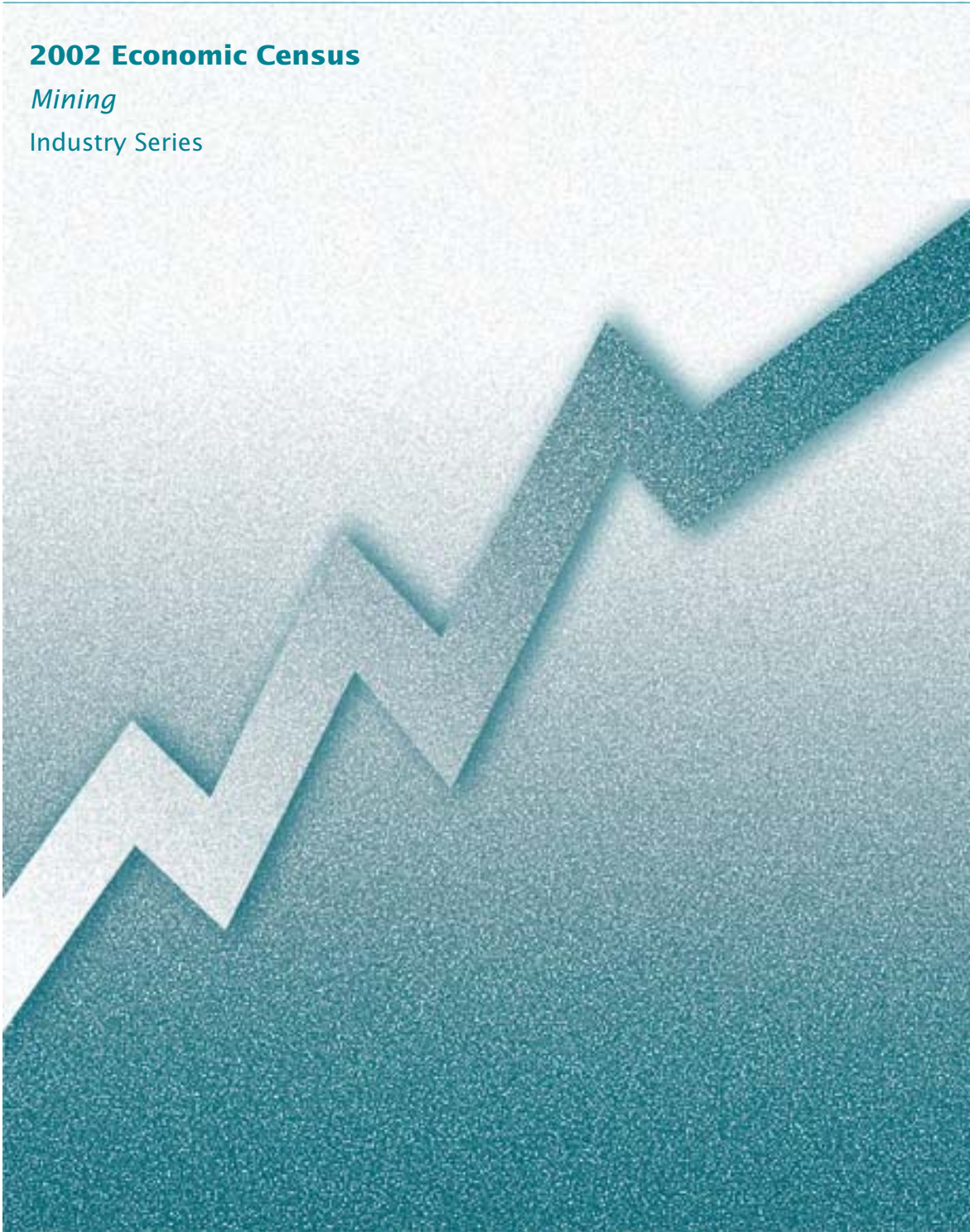
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2002 Economic Census

Mining

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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Table 1. Historical Statistics for the Industry: 2002 and 1997

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year	Com- panies ¹	All estab- lish- ments ²	All employees		Production, development, and exploration workers			Value added (\$1,000)	Total cost of supplies (\$1,000)	Total value of shipments and receipts for services (\$1,000)	Capital expendi- tures (\$1,000)
			For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
212234, Copper ore and nickel ore mining 2002.. 1997..	25 23	33 49	7 288 13 745	319 096 550 888	6 199 11 681	12 411 25 245	261 830 446 650	1 256 954 2 634 364	D 1 912 488	2 093 609 4 017 818	D 529 034

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. **Industry Statistics for Selected States and Offshore Areas: 2002**

[Not applicable to this report]

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
212234, Copper ore and nickel ore mining	
Companies ¹ number..	25
All establishments ² number..	33
Establishments with 0 to 19 employees..... number..	18
Establishments with 20 to 99 employees..... number..	5
Establishments with 100 employees or more..... number..	10
All employees for pay period including March 12..... number..	7 288
Total compensation..... \$1,000..	440 591
Annual payroll..... \$1,000..	319 096
Annual fringe benefits not included in payroll..... \$1,000..	121 495
Production, development, and exploration workers for pay period including March 12..... number..	6 199
Production, development, and exploration worker annual hours..... 1,000..	12 411
Production, development, and exploration worker annual wages..... \$1,000..	261 830
Total cost of supplies..... \$1,000..	D
Supplies used, minerals received, and purchased machinery installed..... \$1,000..	592 857
Resales..... \$1,000..	—
Purchased fuels consumed..... \$1,000..	80 214
Purchased electricity..... \$1,000..	192 332
Contract work..... \$1,000..	D
Quantity of electricity purchased..... 1,000 kWh..	4 775 100
Quantity of electricity generated less sold..... 1,000 kWh..	D
Total other expenses..... \$1,000..	71 466
Response coverage ratio ³ percent..	99
Communications services..... \$1,000..	1 141
Legal services..... \$1,000..	4 245
Accounting, auditing, and bookkeeping services..... \$1,000..	D
Advertising and promotional services..... \$1,000..	D
All other expenses (not included above)..... \$1,000..	65 770
Total value of shipments and receipts for services..... \$1,000..	2 093 609
Primary products value of shipments..... \$1,000..	D
Secondary products value of shipments and receipts for services..... \$1,000..	D
Value of resales..... \$1,000..	—
Value of primary products shipments or services produced in all industries..... \$1,000..	1 888 119
Value of primary products shipments or services produced in this industry..... \$1,000..	D
Value of primary products shipments or services produced in other industries..... \$1,000..	D
Value added..... \$1,000..	1 256 954
Total inventories, end of 2001..... \$1,000..	258 211
Mineral products, crude petroleum, and natural gas liquids inventories..... \$1,000..	136 621
Supplies, parts, fuels, etc., inventories..... \$1,000..	121 590
Total inventories, end of 2002..... \$1,000..	198 011
Mineral products, crude petroleum, and natural gas liquids inventories..... \$1,000..	100 749
Supplies, parts, fuels, etc., inventories..... \$1,000..	97 262
Gross book value of depreciable/depletable assets at beginning of year..... \$1,000..	5 144 118
Capital expenditures (except land and mineral rights)..... \$1,000..	D
Capital expenditures for buildings, structures, machinery, and equipment (new and used)..... \$1,000..	D
Capital expenditures for mineral exploration and development..... \$1,000..	54
Capital expenditures for mineral land and rights..... \$1,000..	D
Deductions from depreciable/depletable assets during year..... \$1,000..	38 706
Gross book value of depreciable/depletable assets at end of year..... \$1,000..	5 272 821
Total depreciation/depletion charges during year..... \$1,000..	238 795
Total rental payments during year..... \$1,000..	25 278
Buildings and other structures..... \$1,000..	348
Machinery and equipment..... \$1,000..	24 930
Lease rents..... \$1,000..	261
Expensed mineral exploration, development, land, and rights..... \$1,000..	D

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³A response coverage ratio is derived for this item by calculating the ratio of the employment for those establishments that reported this item to the total employment for all establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production, development, and exploration workers			Value added (\$1,000)	Total cost of supplies (\$1,000)	Total value of shipments and receipts for services (\$1,000)	Capital expenditures (\$1,000)
			For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
212234, Copper ore and nickel ore mining											
All establishments	2	33	7 288	319 096	6 199	12 411	261 830	1 256 954	D	2 093 609	D
Establishments with —											
0 to 4 employees	9	9	15	476	10	18	260	3 315	719	2 268	183
5 to 9 employees	8	4	26	986	20	41	756	8 189	1 485	4 789	463
10 to 19 employees	7	5	64	2 399	42	93	1 752	10 448	D	7 035	D
20 to 49 employees	9	2	b	D	D	D	D	D	D	D	D
50 to 99 employees	2	3	242	12 182	162	319	8 192	41 028	D	68 512	D
100 to 249 employees	—	2	e	D	D	D	D	D	D	D	D
250 to 499 employees	—	4	g	D	D	D	D	D	D	D	D
500 to 999 employees	—	2	g	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	6	2	h	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ³	9	9	53	2 154	44	92	1 649	18 607	3 110	10 032	967

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Type of Operation: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and type of operation	All establishments ¹		All employees		Production, development, and exploration workers			Value added (\$1,000)	Total value of shipments and receipts for services (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)		
212234, Copper ore and nickel ore mining									
All establishments	33	15	7 288	319 096	6 199	12 411	261 830	1 256 954	2 093 609
Producing establishments	33	15	7 288	319 096	6 199	12 411	261 830	1 256 954	2 093 609
Mines or wells only	23	6	h	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—	—
Open-pit mines	22	5	h	D	D	D	D	D	D
Combination mines, well operations, or other types of mines	1	1	b	D	D	D	D	D	D
Mines with preparation plants	9	8	h	D	D	D	D	D	D
Underground mines	—	—	—	—	—	—	—	—	—
Open-pit mines	6	6	2 916	120 525	2 363	4 666	89 904	582 569	1 043 867
Combination mines or other types of mines	3	2	f	D	D	D	D	D	D
Separately operated preparation plants	—	—	—	—	—	—	—	—	—
Undistributed ²	1	1	f	D	D	D	D	D	D
Nonproducing establishments	—	—	—	—	—	—	—	—	—

¹Includes establishments with payroll at any time during the year.

²Includes data for establishments that were not possible to classify based on information available.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products or Services Statistics: 2002 and 1997

[Includes quantity and value of products or receipts for services of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product or service code	Product or service	Quantity of production for all purposes	Product shipments or receipts for services	
			Quantity	Value (\$1,000)
212234	Copper ore and nickel ore mining	2002.. X 1997.. X	X X	1 888 119 3 860 608
2122341	Crude copper-bearing ores	2002.. X 1997.. X	X X	D 248 898
21223411	Crude copper-bearing ores	2002.. X 1997.. X	X X	D 248 898
2122341111	Crude copper ores mined	2002.. D 1997.. 744.9	X X	X X
2122341141	Crude copper ore and residues shipped or transferred	2002.. X 1997.. X	D N	D N
2122343	Copper concentrates	2002.. X 1997.. X	X X	849 049 2 340 840
21223431	Copper concentrates	2002.. X 1997.. X	X X	849 049 2 340 840
2122343100	Copper concentrates	2002.. 3.3 1997.. 4.2	S 4.2	849 049 2 340 840
2122345	Copper precipitates and electrowon copper recovered from leaching operations	2002.. X 1997.. X	X X	D 1 262 842
21223451	Copper precipitates and electrowon copper recovered from leaching operations	2002.. X 1997.. X	X X	D 1 262 842
2122345111	Copper precipitates	2002.. D 1997.. 24.4	D 21.6	D 25 224
2122345121	Electrowon copper recovered from leaching operations	2002.. D 1997.. 581.9	D 579.7	D 1 237 618
212234W	Copper ore and nickel ore mining, nsk	2002.. X 1997.. X	X X	42 254 8 028
212234WY	Copper ore and nickel ore mining, nsk	2002.. X 1997.. X	X X	42 254 8 028
212234WYWT	Copper ore and nickel ore mining, nsk	2002.. X 1997.. X	X X	42 254 8 028

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments or Receipts for Services for Selected States and Offshore Areas: 2002 and 1997**

[Not applicable to this report]

Table 7. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 2002 and 1997

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Supply or fuel code	Supply or fuel consumed	Quantity	Delivered cost (\$1,000)
212234	Copper ore and nickel ore mining		
	Supplies consumed by type		
21220001	Crude ore and residues, received for concentration mil metric tons 2002 1997	D 77.7 D	D 212 140 X
21220003	Crude ore and residues, mined and concentrated at same establishment mil metric tons 2002 1997	D 652.6 X	X X X
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation 2002 1997	X X	D 277 435
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment 2002 1997	X X	186 699 284 288
32500073	Industrial chemicals (chemical reagents, calcium chloride, etc.) excluding explosive materials and blasting accessories 2002 1997	X X X	89 384 99 791 D
32592001	Explosive materials (including ammonium nitrate) and blasting accessories 2002 1997	X X X	52 293 32 180 74 746
32621001	Tires and inner tubes 2002 1997	X X	7 871 23 778
32741001	Lime 2002 1997	X X	D 48 084
33151003	Iron and steel castings 2002 1997	X X	D 17 029
33211101	Iron and steel forgings 2002 1997	X X	22 521 47 064
33120059	Steel shapes and forms (excluding castings and forgings) 2002 1997	X X	D 195 059
00970098	All other supplies 2002 1997	X X	7 046 1 873
00973000	Undistributed minerals, purchased machinery, parts, attachments, and supplies used 2002 1997	X X	D D
	Fuels consumed by type		
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel 1,000 bbl 2002 1997	D 3 057.9 D	D 95 634 D
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel 1,000 bbl 2002 1997	D D D	D D D
21111015	Gas (natural, manufactured, and mixed) used as a fuel bil cu ft 2002 1997	D 1.8 P1.7	D 4 085 2 133
32411015	Gasoline used as a fuel mil gal 2002 1997	3.1 X X	3 307 D 357
00960018	Other fuels (liquefied petroleum gas, coke, wood, etc.) 2002 1997	X X	D 568
00974000	Undistributed fuels 2002 1997	X X	D D

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.